

Applicants: Richard L. Bonkowski, et al
Serial No.: 09/351,102
Filing Date: July 8, 1999
For: DIFFRACTIVE SURFACES WITH COLOR SHIFTING BACKGROUNDS

Att'y Docket No. 13676.142
Group: 1772

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANTU.S. Patent Documents

Examiner Initial*	Patent Number	Issue Date	Name	Class	Sub Class	Filing Date
<u>AC</u> A1	4,434,010	02/28/84	Ash	106	291	10/26/81
<u>AC</u> A2	4,705,300	11/10/87	Berning, et al.	283	91	11/21/86
<u>AC</u> A3	4,705,356	11/10/87	Berning, et al.	350	166	07/13/84
<u>AC</u> A4	4,721,217	01/26/88	Phillips, et al.	215	230	08/07/86
<u>AC</u> A5	4,838,648	06/13/89	Phillips, et al.	350	166	05/03/88
<u>AC</u> A6	4,168,983	09/25/79	Vitands, et al.	106	14.12	04/13/78
<u>AC</u> A7	5,059,245	10/22/91	Phillips, et al.	106	22	09/26/88
<u>AC</u> A8	5,084,351	01/28/92	Phillips, et al.	428	411.1	03/29/89
<u>AC</u> A9	5,135,812	08/04/92	Phillips, et al.	428	403	03/27/91
<u>AC</u> A10	5,171,363	12/15/92	Phillips, et al.	106	22	06/21/91
<u>AC</u> A11	5,278,590	01/11/94	Phillips, et al.	359	589	04/26/89
<u>AC</u> A12	5,279,657	01/18/94	Phillips, et al.	106	22	06/23/92
<u>AC</u> A13	5,549,774	08/27/96	Miekka, et al.	156	209	05/11/92
<u>AC</u> A14	5,571,624	11/05/96	Phillips, et al.	428	403	12/15/94
<u>AC</u> A15	5,624,076	04/29/97	Miekka, et al.	241	3	06/07/95
<u>AC</u> A16	5,629,068	05/13/97	Miekka, et al.	428	148	06/07/95
<u>AC</u> A17	5,672,410	09/30/97	Miekka, et al.	428	148	02/09/93

Examiner: [Signature]Date Considered: 08/09/01

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Other Documents

(including author (if listed), title, relevant pages, date of publication including at least month and year).

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Ac A18

The Mearl Corporation brochure for "Mearl Iridescent Film," Peekskill, New York.

Ac A19

J.A. Dobrowolski; K.M. Baird; P.D. Carman; and, A. Waldorf, "Optical Interference Coatings for Inhibiting of Counterfeiting," *Optica Acta*, 1973, Vol. 20, No. 12, 925-937.

Ac A20

The R.D. Mathis Company Manual for "Thin Film Evaporation Source Reference," Long Beach, California.

Ac A21

Minolta Manual for "Precise Color Communication, Color Control From Feeling to Instrumentation," Pages 18, 20, 22, 23, 46, 47, 48 and 49.

References Cited by Applicants

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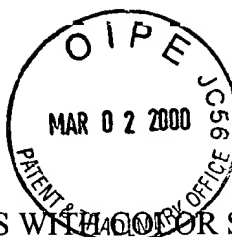
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SUPPLEMENTAL INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT

U.S. Patent Documents

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub-Class
<u>AE</u>	5,009,486	04/23/91	Dobrowolski et al.	350	164

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References Cited by Applicants

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<u>AC</u> A2	5,339,737	08/23/94	Lewis, et al.	101	454	05/13/93
<u>AC</u> A3	5,464,710	11/07/95	Yang	430	1	12/10/93
<u>AC</u> A4	Re. 35,512	05/20/97	Nowak, et al.	101	454	09/19/95

Foreign Patent Documents

Examiner Initial*	Document Number	Publ. Date	Country or Patent Office	Sub Class	Class	Trans- lation
<u>AC</u> A5	WO 98/12583	03/26/98	PCT			N/A

Other Documents

(including author (if listed), title, relevant pages, date of publication including at least month and year).

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<u>AC</u> A6	Frans Defilet, LGZ Landis & Gyr Zug Corporation, "Kinegrams 'Optical Variable Devices' (OVD's) For Banknotes, Security Documents and Plastic Cards," San Diego, April 1-3, 1987
<u>AC</u> A7	S.P. McGrew, "Hologram Counterfeiting: Problems and Solutions," SPIE, Volume 1210 Optical Security and Anticounterfeiting Systems, 1990, pages 66-76
<u>AC</u> A8	Rudolf L. van Renesse, "Security Design of Valuable Documents and Products," SPIE, Vol. 2659, June 1996, pages 10-20
<u>AC</u> A9	Steve McGrew, "Countermeasures Against Hologram Counterfeiting," Internet site www.iea.com/nli/publications/countermeasures.htm , January 6, 2000
<u>AC</u> A10	Roger W. Phillips, "Optically Variable Films, Pigments, and Inks," SPIE Vol. 1323, Optical Thin Films III: New Developments, 1990, pages 98-109
<u>AC</u> A11	Roger W. Phillips and Anton F. Bleikolm, "Optical Coatings for Document Security," Applied Optics, Vol. 35, No. 28, October 1, 1996, pages 5529-5534

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- ACA12 J.A. Dobrowolski; F.C. Ho; and, A. Waldorf, "Research on Thin Film Anticounterfeiting Coatings at the National Research Council of Canada," *Applied Optics*, Vol. 28, No. 15, July 15, 1989, pages 2702-2717
- ASA13 J. Rolfe, "Optically Variable Devices for Use on Bank Notes," *SPIE, Vol. 1210 Optical Security and Anticounterfeiting Systems*, pages 14-19, 1990
- ASA14 OVD Kinegram Cor, "OVD Kinegram Management of Light to Provide Security," Internet site www.kinegram.com/xhome/home.html, December 17, 1999
- ACA15 I.M. Boswarva, et al., "Roll Coater System for the Production of Optically Variable Devices (OVD's) for Security Applications," *Proceedings, 33rd Annual Technical Conference, Society of Vacuum Coaters*, pages 103-109 (1990)

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W. L. Bonkowski
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08/18/7/01
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AC	A1	4,155,627	05/22/79	Gale, et al	350	162	12/21/77

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